

West Central Region Occupational Projections 2020-2030

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Occupational projections are produced every two years and are published in July of even numbered years.

Occupations are classified using the Standard Occupational Classification (SOC) system. Major occupation groups are at the two digit SOC level, while detailed occupations are at the three digit level.

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Major Occupation Group Information

Occupation	SOC Code	2020		2030		2020-2030		2020 Wages				Annual Openings			
		Estimated Employment	Projected Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total		
00-0000 Total, All Occupations		89,588	93,890	4,302	4.8%	\$22,992	\$39,776	\$32,165	\$47,497	4,113	6,165	430	10,708		
11-0000 Management Occupations		4,792	4,996	204	4.3%	\$48,910	\$81,140	\$71,460	\$99,019	168	240	20	428		
13-0000 Business and Financial Operations Occupations		2,601	2,703	102	3.9%	\$43,890	\$60,483	\$57,088	\$73,983	69	152	10	231		
15-0000 Computer and Mathematical Occupations		794	871	77	9.7%	\$45,065	\$66,634	\$60,773	\$84,385	17	41	8	66		
17-0000 Architecture and Engineering Occupations		414	474	60	14.5%	\$55,010	\$75,987	\$72,717	\$94,680	11	21	6	38		
19-0000 Life, Physical, and Social Science Occupations		352	370	18	5.1%	\$45,449	\$72,254	\$60,686	\$83,209	8	24	2	34		
21-0000 Community and Social Service Occupations		1,779	1,932	153	8.6%	\$33,301	\$41,574	\$39,075	\$48,177	58	117	15	190		
23-0000 Legal Occupations		442	488	46	10.4%	\$29,243	\$59,715	\$37,268	\$68,469	14	20	5	39		
25-0000 Education, Training, and Library Occupations		6,416	6,718	302	4.7%	\$32,918	\$45,122	\$41,278	\$51,667	239	289	30	558		
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations		1,118	1,185	67	6.0%	\$27,799	\$44,119	\$38,597	\$52,383	42	74	7	123		
29-0000 Healthcare Practitioners and Technical Occupations		5,029	5,376	347	6.9%	\$37,451	\$62,246	\$52,919	\$69,136	137	170	35	342		
31-0000 Healthcare Support Occupations		6,002	6,681	679	11.3%	\$20,795	\$25,311	\$23,459	\$26,943	390	375	68	833		
33-0000 Protective Service Occupations		1,678	1,670	-8	-0.5%	\$23,774	\$39,702	\$35,170	\$49,740	67	98	-1	164		
35-0000 Food Preparation and Serving Related Occupations		8,155	9,290	1,135	13.9%	\$19,865	\$23,346	\$20,600	\$24,436	612	874	114	1,600		
37-0000 Building and Grounds Cleaning and Maintenance Occupations		3,370	3,523	153	4.5%	\$20,746	\$27,925	\$24,571	\$32,307	190	256	15	461		
39-0000 Personal Care and Service Occupations		1,420	1,603	183	12.9%	\$20,123	\$26,609	\$21,062	\$28,547	99	119	18	236		
41-0000 Sales and Related Occupations		8,475	8,266	-209	-2.5%	\$21,685	\$36,191	\$26,626	\$39,764	465	663	-21	1,107		
43-0000 Office and Administrative Support Occupations		9,949	9,443	-506	-5.1%	\$25,172	\$35,066	\$31,787	\$40,806	455	572	-51	976		
45-0000 Farming, Fishing, and Forestry Occupations		2,089	2,125	36	1.7%	\$27,473	\$33,096	\$30,627	\$37,242	88	239	4	331		
47-0000 Construction and Extraction Occupations		3,485	3,650	165	4.7%	\$32,545	\$44,538	\$39,324	\$54,249	110	241	16	367		
49-0000 Installation, Maintenance, and Repair Occupations		4,442	4,584	142	3.2%	\$31,876	\$47,976	\$43,019	\$61,852	142	283	14	439		
51-0000 Production Occupations		8,531	8,942	411	4.8%	\$29,896	\$39,408	\$36,797	\$46,311	327	636	41	1,004		
53-0000 Transportation and Material Moving Occupations		8,255	9,000	745	9.0%	\$23,956	\$35,092	\$30,309	\$40,417	406	663	74	1,143		

Please see Notes tab for further explanation of data.

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Long-Term Occupational Projections for West Central Region

Top Job Outlook by Now, Next, and Later Categories

Outlook defined by Career Grades which consider openings, growth rate, and wages

NOW Top Job Outlook - West Central

NOW jobs typically require high school education or less and short-term training

Grade	Occupation Title	Annual Openings	Average Annual Wage
B+	Home Health and Personal Care Aides	525	\$23,221
B	Fast Food and Counter Workers	375	\$22,968
B+	Waiters and Waitresses	350	\$21,534
B+	Laborers and Freight, Stock, and Material Movers, Hand	293	\$28,528
B	Retail Salespersons	253	\$30,065
B	Stockers and Order Fillers	205	\$26,998
B	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	181	\$27,735
B	Landscaping and Groundskeeping Workers	150	\$30,278
A	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	148	\$26,856
B	Farmworkers, Farm, Ranch, and Aquacultural Animals	125	\$31,431
B	Cooks, Institution and Cafeteria	102	\$24,251
B+	Construction Laborers	88	\$42,624
B	Cleaners of Vehicles and Equipment	71	\$26,505
B	Industrial Truck and Tractor Operators	53	\$34,470
B+	Light Truck or Delivery Services Drivers	51	\$39,481
B	Meat, Poultry, and Fish Cutters and Trimmers	47	\$28,422
B	Ushers, Lobby Attendants, and Ticket Takers	35	\$22,039

NEXT Top Job Outlook - West Central

NEXT jobs typically require moderate/long-term training or experience or education beyond high school

Grade	Occupation Title	Annual Openings	Average Annual Wage
A	Cooks, Restaurant	279	\$23,775
B	Nursing Assistants	188	\$24,800
B+	Heavy and Tractor-Trailer Truck Drivers	181	\$46,418
B	Maintenance and Repair Workers, General	144	\$36,866
B	Teaching Assistants, Except Postsecondary	94	\$24,987
A	First-Line Supervisors of Production and Operating Workers	64	\$58,896
B	Licensed Practical and Licensed Vocational Nurses	61	\$42,095
A	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	61	\$48,824
B	Automotive Service Technicians and Mechanics	60	\$37,042
B	Food Batchmakers	59	\$37,123
B+	Welders, Cutters, Solderers, and Brazers	57	\$37,493
B	Medical Secretaries	50	\$32,050
B	Insurance Sales Agents	46	\$51,981
B	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	43	\$43,286
B	Medical Assistants	38	\$29,350
B	Parts Salespersons	38	\$38,144
B	Dental Assistants	36	\$37,265
B	First-Line Supervisors of Transportation & Material Moving Workers, Exc Aircraft Cargo Handling Supervisor	34	\$50,136
B	Operating Engineers and Other Construction Equipment Operators	30	\$54,841
B	Production, Planning, and Expediting Clerks	29	\$38,227

LATER Top Job Outlook - West Central

LATER jobs typically require a Bachelor's degree or higher education

Grade	Occupation Title	Annual Openings	Average Annual Wage
B	Secondary School Teachers, Except Special and Career/Technical Education	167	\$43,959
A	General and Operations Managers	134	\$73,853
A	Registered Nurses	98	\$61,338
B	Elementary School Teachers, Except Special Education	53	\$45,680
B	Project Management Specialists and Business Operations Specialists, All Other	41	\$67,832
B+	Accountants and Auditors	38	\$54,675
B	Educational, Guidance, School, and Vocational Counselors	32	\$46,929

B	Substitute Teachers, Short-Term	31	\$27,010
B	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	26	\$41,555
B	Loan Officers	24	\$71,404
A+	Medical and Health Services Managers	21	\$100,849
B+	Market Research Analysts and Marketing Specialists	20	\$59,482
B	Education Administrators, Elementary and Secondary School	18	\$80,942
A	Industrial Engineers	17	\$84,285
A	Industrial Production Managers	15	\$102,599
B	Mental Health and Substance Abuse Social Workers	14	\$51,884
B	Art, Drama, and Music Teachers, Postsecondary	14	\$79,615
A	Software Developers and Software Quality Assurance Analysts and Testers	12	\$79,934
B+	Lawyers	12	\$73,565
B	Chief Executives	11	\$103,723

Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center

Please see Notes tab for additional details

Long-Term Occupational Projections for West Central Region

Top Job Openings by Now, Next, and Later Categories

Openings based on job growth as well as replacement needs due to exits or transfers

NOW Top Job Openings - West Central

NOW jobs typically require high school education or less and short-term training

Grade	Occupation Title	Annual Openings	Average Annual Wage
B+	Home Health and Personal Care Aides	525	\$23,221
C	Cashiers	458	\$23,655
B	Fast Food and Counter Workers	375	\$22,968
B+	Waiters and Waitresses	350	\$21,534
B+	Laborers and Freight, Stock, and Material Movers, Hand	293	\$28,528
B	Retail Salespersons	253	\$30,065
C+	Office Clerks, General	215	\$31,527
B	Stockers and Order Fillers	205	\$26,998
B	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	181	\$27,735
B	Landscaping and Groundskeeping Workers	150	\$30,278
A	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	148	\$26,856
C+	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	125	\$32,896
B	Farmworkers, Farm, Ranch, and Aquacultural Animals	125	\$31,431
B	Cooks, Institution and Cafeteria	102	\$24,251
B+	Construction Laborers	88	\$42,624
C+	Customer Service Representatives	79	\$31,704
B	Cleaners of Vehicles and Equipment	71	\$26,505
C+	Helpers--Production Workers	61	\$30,895
B	Industrial Truck and Tractor Operators	53	\$34,470
B+	Light Truck or Delivery Services Drivers	51	\$39,481

NEXT Top Job Openings - West Central

NEXT jobs typically require moderate/long-term training or experience or education beyond high school

Grade	Occupation Title	Annual Openings	Average Annual Wage
A	Cooks, Restaurant	279	\$23,775
B	Nursing Assistants	188	\$24,800
B+	Heavy and Tractor-Trailer Truck Drivers	181	\$46,418
B	Maintenance and Repair Workers, General	144	\$36,866
B	Teaching Assistants, Except Postsecondary	94	\$24,987
C+	Miscellaneous Assemblers and Fabricators	72	\$31,874
C+	Bookkeeping, Accounting, and Auditing Clerks	66	\$34,212
A	First-Line Supervisors of Production and Operating Workers	64	\$58,896
B	Licensed Practical and Licensed Vocational Nurses	61	\$42,095
A	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	61	\$48,824
B	Automotive Service Technicians and Mechanics	60	\$37,042
C+	Inspectors, Testers, Sorters, Samplers, and Weighers	60	\$41,947
B	Food Batchmakers	59	\$37,123
B+	Welders, Cutters, Solderers, and Brazers	57	\$37,493
C+	Police and Sheriff's Patrol Officers	54	\$43,885
B	Medical Secretaries	50	\$32,050
B	Insurance Sales Agents	46	\$51,981
C	Loan Interviewers and Clerks	45	\$30,670
C+	Carpenters	45	\$35,218
B	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	43	\$43,286

LATER Top Job Openings - West Central

LATER jobs typically require a Bachelor's degree or higher education

Grade	Occupation Title	Annual Openings	Average Annual Wage

B	Secondary School Teachers, Except Special and Career/Technical Education	167	\$43,959
A	General and Operations Managers	134	\$73,853
A	Registered Nurses	98	\$61,338
B	Elementary School Teachers, Except Special Education	53	\$45,680
B	Project Management Specialists and Business Operations Specialists, All Other	41	\$67,832
B+	Accountants and Auditors	38	\$54,675
C+	Child, Family, and School Social Workers	35	\$35,758
B	Educational, Guidance, School, and Vocational Counselors	32	\$46,929
B	Substitute Teachers, Short-Term	31	\$27,010
B	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	26	\$41,555
B	Loan Officers	24	\$71,404
C+	Human Resources Specialists	23	\$52,497
A+	Medical and Health Services Managers	21	\$100,849
B+	Market Research Analysts and Marketing Specialists	20	\$59,482
C+	Graphic Designers	20	\$52,889
C	Public Relations Specialists	19	\$44,415
B	Education Administrators, Elementary and Secondary School	18	\$80,942
A	Industrial Engineers	17	\$84,285
C+	Healthcare Social Workers	16	\$40,647
A	Industrial Production Managers	15	\$102,599

*Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center
Please see Notes tab for additional details*

Long-Term Occupational Projections for West Central Region

Fastest Growing Occupations by Now, Next, and Later Categories

Fastest growth defined by percent growth from base year to projected year

NOW Fastest Growing Occupations - West Central					
		NOW jobs typically require high school education or less and short-term training			
Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage	
B	Ushers, Lobby Attendants, and Ticket Takers	32.5%	35	\$22,039	
A	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	19.9%	148	\$26,856	
B+	Light Truck or Delivery Services Drivers	14.8%	51	\$39,481	
B+	Home Health and Personal Care Aides	14.8%	525	\$23,221	
C+	School Bus Monitors and Protective Service Workers, All Other	14.0%	12	\$28,812	
B+	Waiters and Waitresses	12.2%	350	\$21,534	
C+	Driver/Sales Workers	8.9%	25	\$32,532	
B+	Laborers and Freight, Stock, and Material Movers, Hand	8.8%	293	\$28,528	
B	Fast Food and Counter Workers	8.6%	375	\$22,968	
B	Cleaners of Vehicles and Equipment	8.6%	71	\$26,505	
C+	Machine Feeders and Offbearers	8.5%	8	\$35,629	
C+	Slaughterers and Meat Packers	8.1%	16	\$27,174	
B	Industrial Truck and Tractor Operators	8.0%	53	\$34,470	
B+	Construction Laborers	7.7%	88	\$42,624	
B	Meat, Poultry, and Fish Cutters and Trimmers	6.4%	47	\$28,422	
B	Landscaping and Groundskeeping Workers	6.2%	150	\$30,278	
B	Stockers and Order Fillers	5.2%	205	\$26,998	
C	Hotel, Motel, and Resort Desk Clerks	4.6%	14	\$24,480	
C	Amusement and Recreation Attendants	4.6%	9	\$25,636	
C	Laundry and Dry-Cleaning Workers	4.4%	12	\$23,054	

NEXT Fastest Growing Occupations - West Central					
		NEXT jobs typically require moderate/long-term training or experience or education beyond high school			
Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage	
A	Cooks, Restaurant	42.3%	279	\$23,775	
B+	Respiratory Therapists	26.3%	6	\$56,259	
B+	Tool and Die Makers	25.9%	11	\$51,161	
A	Industrial Machinery Mechanics	22.1%	27	\$59,001	
B	Fitness Trainers and Aerobics Instructors	20.5%	15	\$30,172	
B+	Welders, Cutters, Solderers, and Brazers	19.2%	57	\$37,493	
B	Paralegals and Legal Assistants	18.4%	20	\$34,249	
B	Farm Equipment Mechanics and Service Technicians	18.1%	19	\$43,622	
C+	Phlebotomists	15.1%	7	\$31,333	
C+	Hairdressers, Hairstylists, and Cosmetologists	14.8%	24	\$24,779	
B	Production Workers, All Other	13.9%	21	\$43,245	
B	Medical Assistants	13.3%	38	\$29,350	
B	Production, Planning, and Expediting Clerks	13.0%	29	\$38,227	
C+	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	12.7%	7	\$35,380	
B	Computer Network Support Specialists	12.7%	6	\$53,420	
A	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	12.7%	61	\$48,824	
B	Physical Therapist Assistants	12.5%	7	\$56,018	
C+	Psychiatric Technicians	12.3%	12	\$32,628	
B	Computer Numerically Controlled Tool Operators	11.9%	14	\$43,851	
B	Agricultural Equipment Operators	11.8%	20	\$40,416	

LATER Fastest Growing Occupations - West Central					
		LATER jobs typically require a Bachelor's degree or higher education			
Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage	
A+	Nurse Practitioners	40.4%	11	\$104,628	
A+	Medical and Health Services Managers	26.7%	21	\$100,849	
A	Software Developers and Software Quality Assurance Analysts and Testers	26.4%	12	\$79,934	
A	Industrial Engineers	26.1%	17	\$84,285	
B+	Health Specialties Teachers, Postsecondary	20.5%	5	\$79,925	
B	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	19.3%	26	\$41,555	
B+	Market Research Analysts and Marketing Specialists	18.9%	20	\$59,482	

A	Nursing Instructors and Teachers, Postsecondary	18.0%	9	\$73,088
B+	Logisticians	17.4%	5	\$77,003
A	Marketing Managers	16.7%	3	\$83,257
C+	Meeting, Convention, and Event Planners	14.9%	7	\$33,149
A	Financial Managers	14.2%	10	\$107,446
B+	Occupational Therapists	13.7%	4	\$84,657
B+	Physical Therapists	13.5%	5	\$85,683
B+	Database Administrators and Architects	13.0%	5	\$88,090
B+	Management Analysts	12.1%	10	\$69,856
A	Industrial Production Managers	11.0%	15	\$102,599
C+	Community and Social Service Specialists, All Other	10.5%	10	\$34,198
B	Mental Health and Substance Abuse Social Workers	10.1%	14	\$51,884
B	Chiropractors	10.0%	1	\$54,240

Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center

Please see Notes tab for additional details

All Occupation Information

Occupation	Grade	N_N_L	SOC Code	Title	2020			2030			2020-2030			2020 Wages			Annual Openings			Education, Experience, and Training			ACT Workkeys Assessment Levels					
					Estimated Employment	Projected Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total	Typical Education Required	Typical Experience Required	Typical Job Training	Applied Math	Workplace Documents	Graphic Literacy	STEM					
					00-0000 Total, All Occupations	89,588	93,890	4,302	4.8%	\$22,992	\$39,776	\$32,165	\$47,497	4,113	6,165	430	10,708	Minimum	Median	Minimum	Median	Minimum	Median	STEM Core or Related				
11-0000 Management Occupations					4,792	4,996	204	4.3%	\$49,910	\$81,140	\$71,460	\$99,019	168	240	20	428	<td></td> <td></td> <td><td></td><td><td></td><td><td></td><td></td></td></td></td>			<td></td> <td><td></td><td><td></td><td></td></td></td>		<td></td> <td><td></td><td></td></td>		<td></td> <td></td>				
B	LATER	11-1011	Chief Executives		203	187	-16	-7.9%	\$58,463	\$10,723	\$94,631	\$140,339	5	8	-2	11	Bachelor's degree	5 years or more	None	4	5	5	6	4	5			
A	LATER	11-1021	General and Operations Managers		1,441	1,552	111	7.7%	\$48,882	\$73,853	\$59,631	\$82,968	30	93	11	134	Bachelor's degree	5 years or more	None	3	5	3	5	4	5			
C+	LATER	11-1031	Legislators		99	100	1	1.0%	\$19,876	\$46,284	\$20,939	\$52,539	2	5	0	7	Bachelor's degree	Less than 5 years	None	3	5	4	6	4	5			
A	LATER	11-2021	Marketing Managers		30	35	5	16.7%	\$57,867	\$83,257	\$64,516	\$105,579	1	2	0	3	Bachelor's degree	5 years or more	None	7	7	5	5	5	5			
B+	LATER	11-2022	Sales Managers		48	51	3	6.3%	\$106,674	\$144,886	\$137,013	\$196,260	1	3	0	4	Bachelor's degree	Less than 5 years	None	4	4	5	5	4	5			
A	LATER	11-2030	Public Relations and Fundraising Managers		103	107	4	3.9%	\$106,674	\$144,886	\$137,013	\$196,260	3	5	0	8	Bachelor's degree	5 years or more	None	4	5	5	5	4	5			
B	LATER	11-2031	Customer and Information Services Managers		72	80	8	9.3%	\$74,207	\$94,395	\$85,681	\$114,345	1	4	1	6	Bachelor's degree	Less than 5 years	None	3	5	5	5	4	5			
A	LATER	11-3031	Financial Managers		106	121	15	14.2%	\$79,231	\$107,446	\$100,841	\$131,681	2	6	2	10	Bachelor's degree	5 years or more	None	4	5	5	5	4	5			
A	LATER	11-3051	Industrial Production Managers		173	192	19	11.0%	\$75,650	\$102,599	\$89,474	\$116,593	4	9	2	15	Bachelor's degree	5 years or more	None	3	4	3	4	4	4			
B	LATER	11-3061	Purchasing Managers		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	5 years or more	None	4	5	3	5	4	5				
B	NEXT	11-3071	Transportation, Storage, and Distribution Managers		39	41	2	5.1%	\$77,978	\$91,195	\$94,261	\$105,440	1	2	0	3	High school diploma or equivalent	5 years or more	None	3	4	3	4	3	4			
A	LATER	11-3121	Human Resources Managers		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	5 years or more	None	3	5	4	5	4	4				
B	LATER	11-3131	Training and Development Managers		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	5 years or more	None	4	4	5	5	4	4				
B+	NEXT	11-9013	Farmers, Ranchers, and Other Agricultural Managers		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	5 years or more	None	4	6	5	5	4	5				
C	LATER	11-9021	Construction Administrators, Preschool and Childcare Center/Program		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	5 years or more	None	4	5	3	5	4	5				
B	LATER	11-9022	Education Administrators, Postsecondary		126	228	11	4.8%	\$71,025	\$80,942	\$80,598	\$82,836	6	11	1	18	Bachelor's degree	Less than 5 years	None	4	4	5	5	4	4			
C	LATER	11-9031	Education Administrators, All Other		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	5 years or more	None	5	5	5	5	5	5				
B+	LATER	11-9032	Education Administrators, Elementary and Secondary School		136	141	5	3.7%	\$65,696	\$99,286	\$80,921	\$120,591	3	6	0	9	Bachelor's degree	Less than 5 years	None	3	5	4	5	4	5			
C	LATER	11-9033	Education Administrators, All Other		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	None	3	4	4	4	4	4				
A	LATER	11-9041	Architectural and Engineering Managers		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	5 years or more	None	7	7	6	7	5	5				
C+	NEXT	11-9051	Food Service Managers		67	74	7	10.5%	\$29,415	\$39,838	\$35,758	\$43,692	2	6	1	9	High school diploma or equivalent	Less than 5 years	None	3	3	4	4	3	4			
A+	LATER	11-9111	Medical and Health Services Managers		187	237	50	26.7%	\$68,637	\$100,841	\$83,163	\$121,520	5	11	5	21	Bachelor's degree	Less than 5 years	None	3	4	3	4	3	4			
C	LATER	11-9113	Postmasters and Mail Superintendents		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	5 years or more	None	5	6	4	5	4	4				
D	NEXT	11-9114	Principals, Elementary and Secondary Schools		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None	3	4	3	4	4	4				
B+	LATER	11-9151	Principal Community Service Managers		97	99	2	2.1%	\$44,085	\$53,944	\$51,399	\$62,633	3	5	0	8	Bachelor's degree	Less than 5 years	None	3	4	4	4	4	4			
B	LATER	11-9152	Emergency Management Directors		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	5 years or more	None	3	4	4	4	4	4				
B	LATER	11-9158	Personal Service Managers; Entertainment & Recreation Managers,		59	61	2	3.4%	\$60,738	\$93,476	\$86,987	\$122,418	1	3	0	4	Bachelor's degree	Less than 5 years	None	3	4	4	5	3	4			
13-0000 Business and Financial Operations Occupations					2,601	2,703	102	3.9%	\$43,890	\$60,483	\$57,088	\$73,983	69	152	10	231	<td></td> <td></td> <td><td></td><td><td></td><td><td></td><td></td></td></td></td>			<td></td> <td><td></td><td><td></td><td></td></td></td>		<td></td> <td><td></td><td></td></td>		<td></td> <td></td>				
C	LATER	13-1011	Agents and Business Managers of Artists, Performers, and Athletes		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	None	4	5	3	5	3	4				
C+	LATER	13-1020	Buyers and Purchasing Agents		123	121	-2	-1.6%	\$46,927	\$64,159	\$59,489	\$78,665	4	8	0	12	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training	5	5	4	4	5	5			
C	NEXT	13-1031	Claims Adjusters, Examiners, and Investigators		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	4	3	4				
C+	LATER	13-1041	Compliance Officers		96	90	0	0.0%	\$47,901	\$63,742	\$63,496	\$78,235	2	5	0	7	Bachelor's degree	None	Moderate-term on-the-job training	3	3	4	3	4	4			
B	LATER	13-1051	Cost Estimators		73	76	3	4.1%	\$42,265	\$42,425	\$46,628	\$																

C+	LATER	25-1193 Recreation and Fitness Studies Teachers, Postsecondary	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctor or professional degree	None	5	5	7	7	5	6	
C+	LATER	25-1194 Vocational Education Teachers, Postsecondary	71	71	0	0.0%	484,742	\$64,143	\$67,704	\$79,304	3	3	0	6	Bachelor's degree	Less than 5 years	3	4	7	7	5	6
C	LATER	25-1195 Postsecondary Teachers, Except Special Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Doctor or professional degree	None	5	5	7	7	5	6	
C+	NEXT	25-2011 Special Education Teachers, Except Special Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Associate degree	None	4	4	3	4	4	5	
C	LATER	25-2012 Kindergarten Teachers, Except Special Education	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	4	4	5	6	4	5	
B	LATER	25-2021 Elementary School Teachers, Except Special Education	688	714	26	3.8%	535,906	\$45,680	\$41,616	\$50,667	22	28	3	53	Bachelor's degree	None	4	4	5	6	4	5
C+	LATER	25-2022 Middle School Teachers, Except Special and Career/Technical Ed	2,295	2,392	97	4.2%	368,813	\$43,959	\$42,934	\$49,823	62	95	10	167	Bachelor's degree	None	4	4	5	6	4	5
C	LATER	25-2032 Career/Technical Education Teachers, Secondary School	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	3	3	5	6	4	5	
C	LATER	25-2057 Special Education Teachers, Elementary School	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	4	4	5	6	4	5	
C	LATER	25-2059 Special Education Teachers, Middle School	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	4	4	5	6	4	5	
C+	LATER	25-2069 Special Education Teachers, Secondary School	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	4	4	5	6	4	5	
C	LATER	25-3011 Adult Basic and Secondary Education and Literacy Teachers and Inst	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	4	4	5	6	4	5	
B	NEXT	25-3021 Substitute Teachers, Short-Term	242	262	20	8.3%	239,674	\$27,010	\$23,693	\$29,310	15	14	2	31	Bachelor's degree	Less than 5 years	4	4	4	4	4	5
B	LATER	25-3031 Substitute Teachers, All Other, Except Substitute Teachers	56	61	5	8.9%	242,548	\$45,779	\$41,636	\$62,357	4	3	0	7	Bachelor's degree	None	4	4	5	6	4	5
C+	LATER	25-4012 Curators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	None	4	4	4	5	4	5	
C	LATER	25-4013 Museum Technicians and Conservators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	4	4	4	5	4	5	
C+	LATER	25-4022 Librarians and Media Collections Specialists	102	107	5	4.9%	541,109	\$48,213	\$47,268	\$56,312	5	5	0	10	Master's degree	None	8	8	8	10	8	8
D	NEXT	25-4031 Library Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	3	4	3	4	3	4	
LATER	25-4032 Farmers, Ranchers, and Other Agricultural Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Master's degree	5 years or more	3	5	4	5	4	5		
C+	LATER	25-4033 Agricultural Coordinators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	3	5	5	6	3	4	
D	LATER	25-9044 Teaching Assistants, Postsecondary	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	5	5	7	7	5	6	
B	NEXT	25-9045 Education Assistants, Except Postsecondary	970	1,009	39	4.0%	\$19,878	\$24,987	\$24,253	\$29,113	44	46	4	94	Some college, no degree	3	4	3	4	3	3	
D	LATER	25-9099 Education, Training, and Library Workers, All Other	36	34	-2	-5.6%	\$20,094	\$38,787	\$39,325	\$48,491	2	2	0	4	Bachelor's degree	None	3	4	4	4	4	4
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations																						
B+	LATER	27-1011 Art Directors	1,118	1,185	67	6.0%	\$27,799	\$44,119	\$38,597	\$52,383	42	74	7	123	Bachelor's degree	5 years or more	3	4	4	5	5	5
B	LATER	27-1014 Multimedia Artists and Animators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	3	4	3	4	4	4	
F	NEXT	27-1023 Floral Designers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Moderate-term on-the-job training	3	3	3	4	3	4	
C+	LATER	27-1026 Merchandise Displayers and Window Trimmers	226	226	2	0.9%	\$36,507	\$52,869	\$46,563	\$74,646	7	13	0	20	Bachelor's degree	None	3	4	3	4	4	4
F	LATER	27-1027 Set and Exhibit Designers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Short-term on-the-job training	3	3	4	4	4	4	
n/a	LATER	27-1029 Designers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	3	5	3	4	3	4	
D	NEXT	27-2011 Actors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Some college, no degree	Long-term on-the-job training	4	5	3	4	3	4	
C+	LATER	27-2012 Producers and Directors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	3	4	3	5	3	4	
C	NEXT	27-2013 Athletes and Sports Competitors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	Long-term on-the-job training	3	4	3	4	3	4	
B	LATER	27-2022 Coaches and Scouts	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	3	4	4	4	3	4	
D	NEXT	27-2023 Umpires, Referees, and Other Sports Officials	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Moderate-term on-the-job training	3	4	4	4	3	4	
B	NEXT	27-2024 Farmers, Ranchers, and Other Agricultural Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Long-term on-the-job training	3	3	4	5	3	4	
B	NEXT	27-2025 Radio and Television Announcers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	3	4	3	5	3	4	
D	LATER	27-2027 Public Relations Specialists	48	44	-4	-8.3%	\$22,067	\$33,837	\$26,017	\$40,952	1	4	0	51	Bachelor's degree	Less than 5 years	3	3	3	5	3	4
B	LATER	27-2028 Editors	216	217	1	0.5%	\$36,828	\$44,415	\$44,206	\$50,418	5	14	0	19	Bachelor's degree	Postsecondary non-degree award	3	3	5	5	3	4
D	NEXT	27-2029 Technical Writers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Less than 5 years	3	3	3	5	3	4	
C+	LATER	27-3043 Writers and Authors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Short-term on-the-job training	3	3	3	5	3	4	
C+	LATER	27-3091 Interpreters and Translators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	3	3	3	4	3	4	
C	NEXT	27-3092 Court Reporters and Simultaneous Captioners	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Short-term on-the-job training	4	4	5	5	4	4	
B	NEXT	27-4011 Audio and Video Equipment Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	None	3	3	5	5	3	4	
D	NEXT	27-4012 Broadcast Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Short-term on-the-job training	3	3	4	4	3	4	
B	NEXT	27-4021 Film Directors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	Moderate-term on-the-job training	3	3	3				

C	NEXT	41-3021 Insurance Sales Agents	462	495	33	7.1%	\$35,112	\$51,981	\$43,012	\$53,055	16	27	3	46	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	5	5	5	5
C+	NEXT	41-3041 Novelty Agents	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	Moderate-term on-the-job training	4	4	4	4	4	4
B+	NEXT	41-3091 Sales Representatives of Services, Except Advertising, Insurance, Fin	179	180	1	0.6%	\$32,893	\$50,230	\$42,791	\$60,496	4	16	0	20	High school diploma or equivalent	None	Moderate-term on-the-job training	4	4	4	5	4	4
C+	NEXT	41-4011 Sales Representatives, Wholesale and Manufacturing, Technical an	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	Moderate-term on-the-job training	3	5	4	5	4	4
A	NEXT	41-4012 Sales Representatives, Wholesale and Manufacturing, Except Techn	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	4	4	4	4
C	NOW	41-9011 Demonstrators and Product Promoters	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	4	4	3	3	4	4
C	NEXT	41-9021 Real Estate Brokers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None	3	4	3	5	3	4
B	NEXT	41-9022 Real Estate Sales Agents	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	5	3	4
A	LATER	41-9031 Sales Engineers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	Moderate-term on-the-job training	6	6	4	4	4	4
C	NOW	41-9041 Telemarketers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	3	3	3	4	3	4
C	NOW	41-9099 Sales and Related Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	None	3	3	3	3	3	3
42-0000 Office and Administrative Support Occupations																							
C+	NEXT	43-1011 First-Line Supervisors of Office and Administrative Support Workers	9,949	9,443	-506	-5.1%	\$25,061	\$21,787	\$40,806	\$455	572	-51	976	n/a	High school diploma or equivalent	Less than 5 years	None	3	4	3	4	3	4
F	NOW	43-2011 Switchboard Operators, Including Answering Service	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	4	4	3	4
D	NOW	43-2021 Telephone Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	4	4	3	4
C	NOW	43-2030 Communications Equipment Operators, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	6	6	8	8	6	8
D	NEXT	43-3011 Bill and Account Collectors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	4	4	4	4
C	NEXT	43-3021 Billing and Posting Clerks	244	244	0	0.0%	\$27,755	\$33,808	\$32,183	\$38,688	10	15	0	25	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	3	4
C+	NEXT	43-3031 Bookkeeping, Accounting, and Auditing Clerks	650	618	-32	-4.9%	\$25,313	\$34,212	\$33,699	\$33,754	37	32	-3	66	Some college, no degree	n/a	Moderate-term on-the-job training	3	4	3	4	3	4
D	NEXT	43-3051 Payroll and Timekeeping Clerks	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	4	4	3	4	4	4
D	NEXT	43-3051 Procurement Clerks	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	4	4	3	3
D	NEXT	43-3071 Tellers	313	250	-63	-20.1%	\$23,673	\$21,120	\$27,235	\$30,874	11	18	-6	23	High school diploma or equivalent	None	Short-term on-the-job training	3	3	4	4	3	4
F	NEXT	43-4011 Brokerage Clerks	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	4	4	4	4
D	NOW	43-4021 Correspondence Clerks	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	4	4	4	4
C+	NEXT	43-4031 Court, Municipal, and License Clerks	321	1	0.3%	\$26,941	\$37,472	\$34,193	\$45,903	16	16	0	32	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	4	3	4	
D	NEXT	43-4041 Credit Authors, Clerks, and Clerks	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	4	4	4	4	4	4
C	NOW	43-4051 Customer Service Representatives	679	641	-38	-5.6%	\$24,836	\$31,704	\$29,443	\$36,441	31	52	-4	79	High school diploma or equivalent	None	Short-term on-the-job training	3	4	3	4	3	4
C	NEXT	43-4061 Eligibility Interviewers, Government Programs	84	82	-2	-2.4%	\$31,410	\$35,660	\$34,516	\$38,869	3	4	0	7	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	3	3	4
D	NEXT	43-4071 Front Desk Clerks	87	87	0	0.0%	\$19,972	\$24,480	\$20,388	\$24,856	5	9	0	14	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4
C	NOW	43-4081 Hotel, Motel, and Resort Desk Clerks	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4
D	NEXT	43-4111 Interviewers, Except Eligibility and Loan	118	107	-11	-9.3%	\$32,968	\$33,690	\$34,588	\$40,533	6	7	-1	12	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4
D	NOW	43-4121 Library Assistants, Clerical	74	69	-5	-6.8%	\$19,761	\$22,591	\$20,091	\$23,632	6	5	0	11	High school diploma or equivalent	None	Short-term on-the-job training	3	3	4	4	3	3
C	NEXT	43-4131 Loan Interviewers and Clerks	585	543	-42	-7.2%	\$26,679	\$30,670	\$27,906	\$37,529	16	33	-4	45	High school diploma or equivalent	None	Short-term on-the-job training	3	3	4	4	3	4
D	NEXT	43-4141 New Accounts Clerks	97	78	-19	-19.6%	\$29,433	\$36,247	\$32,455	\$40,533	3	6	-2	7	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	4	4	3	4
F	NEXT	43-4151 Order Clerks	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Some college, no degree	None	Short-term on-the-job training	3	4	3	4	3	4
C	NEXT	43-4161 Human Resources Assistants, Except Payroll and Timekeeping	64	60	-4	-6.3%	\$35,267	\$41,338	\$39,954	\$47,601	2	4	0	6	Bachelor's degree	None	None	3	4	3	4	3	4
C	NOW	43-4171 Receptionists and Informative Clerks	281	266	-15	-5.3%	\$22,392	\$27,267	\$25,026	\$30,617	15	19	-2	32	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4
C	NEXT	43-4181 Sales Clerks, Including Counter Clerks, All Other	62	60	-2	-3.2%	\$32,941	\$41,326	\$45,190	\$47,183	2	4	0	6	High school diploma or equivalent	None	Short-term on-the-job training	3	3	4	4	3	4
n/a	NOW	43-5011 Baggage and Luggage Attendants, Clerks, and Messengers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4
B	NEXT	43-5021 Couriers and Messengers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4
C	NEXT	43-5031 Police, Fire, and Ambulance Dispatchers	138	140	2	1.5%	\$25,007	\$24,831	\$23,474	\$40,742	5	8	0</td										

C	NEXT	51-7011 Cabinetmakers and Bench Carpenters	193	200	7	3.6%	\$28,989	\$33,739	\$34,255	\$39,078	7	11	1	19	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	3	4
D	NOW	51-7021 Furniture Finishers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	3
F	NEXT	51-7041 Woodworking Machine Setters, Operators, and Tenders, Wood	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Medium-term on-the-job training	3	3	3	3	3	3
B+	NEXT	51-7042 Woodworking Machine Setters, Operators, and Tenders, Except Saw	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	3	3	3
B	NEXT	51-8012 Power Distributors and Dispatchers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	3	4
C	NEXT	51-8013 Power Plant Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	3	5
D	NEXT	51-8031 Water and Wastewater Treatment Plant and System Operators	193	179	-17	-8.7%	\$28,010	\$38,970	\$39,623	\$49,226	5	12	-2	15	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	3	4
C	NEXT	51-8032 Gas Plant Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	4	3	4	3	4
C	NEXT	51-8093 Petroleum Pump System Operators, Refinery Operators, and Gauge	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	4	4
C+	NEXT	51-8094 Plant and System Operators, Refinery Operators, and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Medium-term on-the-job training	3	4	3	4	3	4
B	NEXT	51-8095 Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters	89	95	6	6.7%	\$31,806	\$40,293	\$39,881	\$48,352	2	7	1	10	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
C+	NEXT	51-9032 Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters	34	36	2	5.9%	\$27,898	\$31,338	\$30,410	\$34,083	1	3	0	4	High school diploma or equivalent	None	Medium-term on-the-job training	3	3	3	3	3	4
C	NEXT	51-9022 Grinding and Polishing Workers, Hand	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	3	3	3	3	3	4
B	NEXT	51-9023 Mixing and Blending Machine Setters, Operators, and Tenders	183	194	11	6.0%	\$43,237	\$49,737	\$49,842	\$58,574	6	14	1	21	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
C+	NEXT	51-9032 Cutting and Slicing Machine Setters, Operators, and Tenders	161	166	5	3.1%	\$35,867	\$41,405	\$42,416	\$48,357	7	12	0	19	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	4
C+	NEXT	51-9041 Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	4
D	NEXT	51-9051 Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	4
C+	NEXT	51-9051 Inspectors, Testers, Sorters, Samplers, and Weighers	579	531	-48	-8.3%	\$32,129	\$41,947	\$37,158	\$46,536	21	44	-5	60	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
C	NEXT	51-9101 Jewelers, Precious Stone and Metal Workers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	3	3	4
D	NEXT	51-9081 Mental Laborers, Telemarketers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
C	NEXT	51-9982 Medical Appliance Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	4	4
B+	NEXT	51-9083 Ophthalmic Laboratory Technicians	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	3
C+	NEXT	51-9111 Packaging and Filling Machine Operators and Tenders	97	106	9	9.3%	\$33,033	\$37,276	\$37,223	\$43,675	4	7	1	12	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	4
C+	NEXT	51-9123 Painting, Coating, and Decorating Workers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	3	3	3	3	3	4
B	NEXT	51-9124 Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	371	407	36	9.7%	\$38,201	\$43,286	\$45,176	\$49,959	11	28	4	43	High school diploma or equivalent	None	Moderate-term on-the-job training	6	6	6	6	8	8
n/a	NEXT	51-9141 Semiconductor Processors	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
D	NOW	51-9151 Photographic Process Workers and Processing Machine Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4
B	NEXT	51-9151 Computer Numerically Controlled Tool Operators	118	132	14	11.9%	\$34,377	\$43,854	\$45,853	\$52,100	4	9	1	14	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	3	4
C	NEXT	51-9152 Computer Numerically Controlled Tool Programmers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	3	4	4	4
C+	NEXT	51-9152 Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	3
C	NEXT	51-9193 Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	47	50	3	6.4%	n/a	n/a	n/a	n/a	2	4	0	6	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	3
D	NEXT	51-9194 Etchers and Engravers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	3
C	NEXT	51-9196 Molders, Shapers, and Casters, Except Metal and Plastic	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Long-term on-the-job training	3	3	3	3	3	4
D	NEXT	51-9196 Paper Goods Machine Setters, Operators, and Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	3	3	4
C+	NOW	51-9198 Helpers—Production Workers	432	434	2	0.5%	\$25,855	\$30,895	\$28,920	\$33,113	20	41	0	61	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	3
B	NEXT	51-9199 Production Workers, All Other	166	189	23	13.9%	\$28,634	\$43,245	\$44,102	\$53,787	6	13	2	21	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4
53-0000 Transportation and Material Moving Occupations																							
B	NEXT	53-1047 Freighters, Supervisors of Transportation & Material Moving Workers	8,255	9,000	745	9.0%	\$23,956	\$35,002	\$30,399	\$40,417	406	665	74	1,143	High school diploma or equivalent	Less than 5 years	None	3	4	3	4	4	4
B	LATER	53-2011 Airline Pilots, Copilots, and Flight Engineers	297	315	18	5.3%	\$34,400	\$50,135	\$41,445	\$54,719	11	21	2	24	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	5	5	6	6	5	6
A	NEXT	53-2012 Commercial Pilots	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Bachelor's degree	None	Moderate-term on-the-job training	5	5	6	6	5	6
C+</																							

Notes

1. n/a = Data suppressed due to confidentiality or lack of statistically significant data.
2. Net Employment Change (Column G) is the difference in the number of jobs between the base and projected years.
3. Percent employment change (Column H) indicates how fast employment is expected to increase or decrease during the projection period.
4. Annual Exit Openings (Column M) are an estimate of the annual number of jobs that will arise from the need to replace workers who have left the workforce entirely.
5. Annual Transfer Openings (Column N) are an estimate of the annual number of jobs that will arise from the need to replace workers who have transferred to a different occupation.
6. Annual Growth Openings (Column O) are the annual numeric change in employment.
7. Annual Total Openings (Column P) are the sum of exit, transfer, and growth openings.

Occupation Grade

The occupation grades, or "career grades", are based on a combination of total job openings, percent growth, and the average wages of an occupation. Occupations with the letter grade "A+" have the best outlook, while occupations with the letter grade "F" have the worst outlook. Grades in each region are determined by comparing only the occupations within that region.

STEM

Refers to Science, Technology, Engineering, and Math occupations. "Core" occupations are those that strictly use STEM skills. "Related" occupations are those that use related STEM skills.

N_N_L: "Now, Next, Later"

Now: Typically requires short-term on-the-job training, little to no experience, and/or a high school diploma

Next: Typically requires non-degree certificate, associate's degree, apprenticeship, some experience, or moderate- to long-term training

Later: Typically requires a bachelor's degree or higher

ACT WorkKeys Assessments

ACT WorkKeys® assessments measure foundational skills required for success in the workplace, and help measure the workplace skills that can affect job performance. Scores are provided for three different categories: Applied Math, Workplace Documents, and Graphic Literacy. Each assessment offers varying levels of difficulty. The levels build on each other, incorporating the skills assessed at the previous levels. For example, at Level 5, individuals need the skills from Levels 3, 4, and 5. The minimum and median score required for each occupation is shown, if available. For more information about WorkKeys skills, please visit the following website:

<https://www.act.org/content/act/en/products-and-services/workkeys-for-employers/assessments.html>